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吉 占 和
(中国科学院植物研究所，北京)

TAXA NOVA ORCHIDACEARUM SINICARUM

TSI ZHAN-HUO
(*Institutum Botanicum Academiae Sinicae, Beijing*)

Key words *Calanthe scaposa*; *C. tsoongiana* var. *guizhouensis*; *Cleisostoma medogense*; *Sarcoglyphia magnirostris*

关键词 西藏虾脊兰;贵州虾脊兰;西藏隔距兰;短帽大喙兰

西藏虾脊兰 新种 图 1: 1—2

Calanthe scaposa Tsi et K. Y. Lang, sp. nov.

Species proxima *C. ecarinatae* Rolfe, a qua labelli lobis lateralibus oblongis minoribus, lobo intermedio suborbiculato, disco lamellis 3 instructo dignoscitur.

Herba terrestris, fasciculata. Caulis conicus brevis, crassus. Planta hornotina juventute pseudocaule ca. 7 cm longo, ca. 1.2 cm lato praedita, cataphyllis 3 et foliis 3 instructa. Folia per anthesin patentia; lamina oblonga, 25—28 cm longa, medio 3—4.5 cm lata, apice acuta, basi cuneata, utrinque glabra. Scapus e apice pseudocaulis hornotini oriundus, ca. 45 cm longus, puberulus; racemo pendulo, paucifloro; brecteis persistentibus lanceolatis, ca. 1.3 cm longis, puberulis. Flores patentes; perianthio dorso dense puberulo; sepalo intermedio ovato-lanceolato 1.9 cm longo, medio 6 mm lato, apice acuto, 3-nervio; sepalis lateralibus eo intermedio similibus, sed leviter latioribus; petalis oblongis 1.7 cm longis, medio 6 mm latis, apice acutis, basi in unguiculum paullo angustatis, 3-nerviis; labello ecalcarato, infra medium columnae alis adnato, prope basin profunde trilobato; lobis lateralibus oblongis, patentibus, 5.5 mm longis, 3 mm latis, antice rotundatis; lobo intermedio suborbiculato, 1.1 cm lato, basi in unguiculum angustato, apice apiculato, margine irregulariter crenulato; disco lamellis 3 cristatis instructo; columna crassa et brevis, ca. 6 mm longa, basi dense purberula; operculo antherae antice rostellato; rostello triangulo, apice 2-lobo, lobis dentiformibus. Pollinia 8, ovoidea, subaequimagna, 4 per quemque loculum.

Xizang: Mêdog, alt. 2400 m, in sylva, 23 VI 1983, B. S. Li et S. Z. Cheng 5216 (Typus, PE).

本种与天全虾脊兰 *C. ecarinata* Rolfe 近似，但两者的唇瓣形状和结构迥然不同，本种的唇瓣侧裂片狭矩圆形，很短小，中裂片近圆形，唇盘具 3 条褶片，很好区别。

西藏：墨脱，海拔 2400 米，林下，1983 年 6 月 23 日，李渤生、程树志 5216 (模式，PE)。

贵州虾脊兰 新变种

Calanthe tsoongiana Tang et Wang var. *guizhouensis* Tsi, var. nov.—— *C. tsoongiana* Tang et Wang in Act. Phytotax. Sinica **1**(1): 46, 88. 1951, p. p., quoad specimina J. Cavalerie no. 7464, Esquirol no. 2010.

Haec varietas a typo labello majore, lobis lateralibus fere dolabriformibus quam eo intermedio brevioribus longitudine latitudinem aequantibus apice truncatis horizontaliter patentibus, lobo intemedio ovato antice 2 mm lato differt.

图1 1—2.西藏虾脊兰 1.植株; 2.花。3.贵州虾脊兰 3.花。(张泰利绘)

Fig. 1 1—2. *Calanthe scaposa* Tsa, sp. nov. 1. plant; 2. flower. 3. *Calanthe tsoongiana* var. *guizhouensis* Tsi, var. nov. 3. flower.

Guizhou: Sine loco, in sylvis mixtis, fl. viridibus et porphyreis, 25 IV 1936, S. W. Deng 90131(Typus, SCBI); sine loco, J. Cavalerie no. 7464; Guiyang, Esquirol no. 2010.

本变种区别于模式种在于唇瓣较大，侧裂片比中裂片短，近斧头状，长、宽约 2.5 毫米，先端斜截形，向外伸展；中裂片卵形，向先端扩大，基部具短爪。

贵州：采集地点不详，混交林下，花绿紫色，1936 年 4 月 25 日，邓世纬 90131（模式，SCBI）；地点不详，J. Cavalerie no. 7464；贵阳（城南六冲关），Esquirol no. 2010。

西藏隔距兰　新种　图 2：1—4

Cleisostoma medogense Tsi, sp. nov.

Species nova habitu *C. discolori* Lindl. arcte affinis, quod sepalis et petalis 3-nerviis, labelli lobis lateralibus quam lobo intermedio manifeste brevioribus ad marginem anteriorem partibus induplicatis anguste triangulatis instructis, petalis obovato-spathulatis, sepimento calcaris bene evoluto, callo infra columnam deltoideo.

Epiphytica; caulis ca. 2 cm longus, cum vaginis ca. 5 mm crassus. Folia plana, anguste oblonga, ca. 15 cm longa, 13—15 mm lata, apice oblique bifida, lobis dentiformibus, basi vaginata; vaginis cum laminis articulatis, persistentibus. Inflorescentiae 1—3, laterales, e basi caulis oriundae, pendulae, foliis breviores vel folia fere aequantes; pedunculo simplici vel ramificante, infra medium vaginis 2—3 tubulosis brevibus ornato; paniculo vel racemo multifloro; bracteolis horizontaliter patentibus vel retrorsis, ovato-triangulis, ca. 1 mm longis, apice acutis. Flores flavi; pedicello cum ovario ca. 4 mm longo; sepalis et petalis apice obtusis, 3-nerviis; sepalo intermedio ovato-elliptico, concavo, 3.2 mm longo, ca. 2.5 mm lato; sepalis lateralibus id intermedium aequantibus; petalis paullo falcato-oblongis, quam sepalis latioribus; labello trilobo; lobis lateralibus subquadratis, iis intermediis subaequilongis, sed latioribus, apice truncatulis et erosis, ad marginem anteriorem partibus induplicatis anguste oblongis instructis; lobo intermedio subtriangulo, apice paullo obtuso supra ecalloso et elamellato; calcare infundibuliformi, erecto, sepalis subaequilongo, apice obtuso, intus dorso callo subtriangulo (a fronte visus), longiore quam latiore, glabro, medio longistrorsum protuberante armato; septo calcaris fere nullo; columna crassa, brevi; rostello valde evoluto, crassiore et longiore; operculo antherae antice in rostellum longius angustato. Pollinia 2; stipite fere clavato; glandula minima, subrotunda.

Xizang: Mêdog, alt. 850 m, in arbore sylvae, 30 V 1983, B. S. Li et S. Z. Cheng 4933(Typus, PE); ibidem, Exped. Qinghai-Xizang. 74-3061.

本种在体态上近似 *C. discolor* Lindl.，区别在于后者的萼片和花瓣具 3 脉，花瓣倒卵状匙形，唇瓣侧裂片明显比中裂片短，前端边缘（即远离蕊柱的边缘）的内折裂片为狭三角形；距内隔膜较发达，胼胝体呈等边三角形。

西藏：墨脱，海拔 850 米，林中，附生于树上，1983 年 5 月30日，李渤生、程树志 4933（模式，PE）。

短帽大喙兰　新种　图 2：5—7

Sarcoglyphia magnirostris Tsi, sp. nov.

Species nova labelli lobo intermedio late ligulato, operculo antherae brevissimo antice erostro, peculiaris, *S. mirabili* Rolfe habitu primo aspectu similis, quae lobis lateralibus ovato-triangulis apice acutis, intermedio cymbiformi, operculo antherae antice

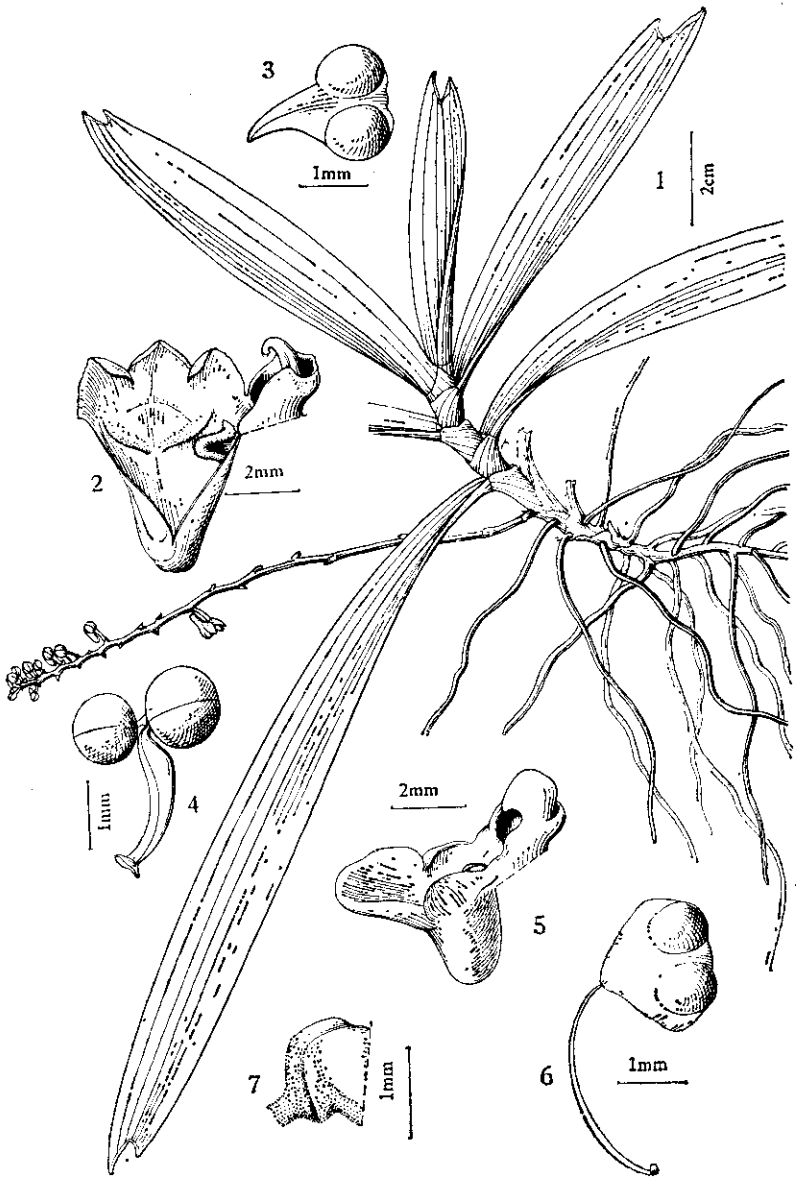

图 2 1—4. 西藏隔距兰 1. 植株; 2. 展开的唇瓣和去掉药帽的蕊柱; 3. 药帽; 4. 花粉块和蕊喙柄。 5—7. 短帽大喙兰 5. 唇瓣和去掉药帽的蕊柱侧面观; 6. 药帽和蕊喙柄; 7. 背壁胼胝体。
(冀朝祯绘)

Fig. 2 1—4. *Cleisostoma medogense* Tsi, sp. nov. 1. plant; 2. lip opened up and column with opercule moved; 3. opercule; 4. pollinia and stipe. 5—7. *Sarcoglyphia malarostris* Tsi, sp. nov. 5. lip and column with opercule moved, side view; 6. opercule and stipe; 7. backwall callus.

tenuiter rostrato diversa.

Epiphytica; caulis 1—4 cm longus, cum vaginis ca. 1 cm crassus. Folia 3—5, crasse coriacea, anguste oblonga, ca. 14—16 cm longa, 1.8—2 cm lata, apice obtusa et inaequiliter bilobata, basi articulata et vaginata; vaginis persistentibus inter se equitanti-

bus. Inflorescentiae laterales, e basi caulis oriundae, pendulae, foliis breviores; pedunculo simplici, fusco-purpureo; racemo laxe multifloro; bracteis ovato-triangulis, ca. 1 mm longis, apice acutis. Flores patentes, albi et purpureo-suffusi; pedicello ovario incluso pallide lilacino, ca. 1 cm longo; sepalo intermedio ovato-elliptico, 4—5 mm longo, medio 3—3.5 mm lato, apice obtuso; sepalis lateralibus quam eo intermedio paullo majoribus, oblique ovatis, apice obtusis; labello subcarnoso, trilobo; lobis lateralibus erectis, fere semirorundatis, antice incurvis et lilacinis, ceteris albis; lobo intermedio lilacino, late ligulato horizontaliter patenti, ca. 3 mm longo, basi 3.2 mm lato, apice subtruncato, disco concavo; calcari infundibuliformi, erecto, ca. 3 mm longo, apice obtuso, intus dorso callo uno quadrato (aspectu frontali), medio sulco longitudinali ornato, septo demisso; columna crassa, brevi, alba et purpureo-suffusa; rostello pallide flavido, paulo lentiformi, apice breviter acuto et pendulo; operculo antherae semisphaerico, ca. 1.5 mm longo, antice triangulo sed non prolongato. Pollinia sphaeroidea 4, pallide lilacina; stipite gracili, ca. 4 mm longo; glandula parvula, subrotunda.

Yunnan: Xishuangbanna (Mengla), ca. alt. 800 m, in arboris trunco, Apr. (floret: Mart.*) 1983, Z. H. Tsi 221 (Typus, PE).

本种的唇瓣中裂片宽舌形；药帽很短，前端不收窄为喙状，在体态上初看相似于 *S. mirabilis* Rolfe，但后者的唇瓣侧裂片卵状三角形，先端急尖，中裂片舟状；药帽前端收窄呈长喙状，易于区别。

云南：西双版纳(勐腊)，海拔约 800 米，附生于树干上，1983 年 4 月，吉占和 221（模式，PE）。

* 中国科学院植物研究所植物园温室栽培开花。